

## Channel Quality Assessment Method and System for Performing the Same

### ABSTRACT

A channel quality assessment with short assessment time and good frequency resolution is disclosed. Some channels are grouped and their detecting results are collected as whole to determine the channel quality. The channel quality is determined by interference collision ratio, which is the ratio of the number of interference events to the sum of the number of interference events and interference -free events. Interfered channels are disabled form the group. The Channel quality of each of said plurality of channels is determined from detection results of each of said plurality of groups so as to have a short assessment time and meanwhile a good frequency resolution may be retained.